

REMARKS**Restriction Requirement**

Applicant elects Group I (Claims 1-16) drawn to an end-terminal device embodiment for performing bandwidth extension. Applicant reserves the right to file a continuing application or take such other appropriate action as deemed necessary to protect the non-elected inventions.

Claims 1-16 and 72-80 are pending in the application. New claims 72-80 are being added. Support for new claims 72-80 is found in the specification as originally filed and in Claims 1-16 as originally filed. No new matter is believed to be introduced by way of the new claims.

New Claim 72 in the Claim Listing above recites,

A method of providing for bandwidth extension, comprising:

up-sampling a digital input signal with frequency ≤ 4 KHz with an increased frequency relative to a sampling rate of the digital input signal to produce an extended signal component > 4 KHz;

providing an output signal including a signal with a narrowband signal component ≤ 4 KHz and the extended signal component > 4 KHz; and

controlling gain to control power of the extended signal component and the narrowband signal component of the output signal; and
outputting the output signal.

Support for New Claim 72 is found in the specification as originally filed at least in paragraphs [0049], [0053], [0057], and Fig. 6.

Support for New Claim 73 is found in the specification as originally filed at least in paragraphs [0077] through [0083].

Support for New Claim 74 is found in the specification as originally filed at least in paragraphs [0057] and [0060].

Support for New Claim 75 is found in the specification as originally filed at least in paragraph [0060] as well as Fig. 7.

Support for New Claim 76 is found in the specification as originally filed at least in paragraphs [0063] and [0064].

Support for New Claim 77 is found in the specification as originally filed at least in paragraph [0073].

Support for New Claim 78 is found in the specification as originally filed at least in paragraph [0044].

Support for New Claim 79 is found in the specification as originally filed at least in paragraphs [0056] and [0064].

Support for New Claim 80 is found in the specification as originally filed at least in paragraph [0073].

CONCLUSION

In view of the above amendments and remarks, it is believed that all claims that will be pending after entry of this amendment, namely claims 1-16 and 72-80, are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned.

Respectfully submitted,

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